

APPENDIX J
MCO/FEE-FOR-SERVICE COMPARISON MEASURES/REPORTS

TASK 6: HMO/FEE-FOR-SERVICE COMPARISON MEASURES/REPORTS

Prepared for

THE MINNESOTA DEPARTMENT OF HUMAN SERVICES

And

**The U.S. Department of Health and Human Services, Health Care Financing
Administration**

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1. FINANCIAL EXPERIENCE

| <i>Measure</i> | <i>Population</i> | <i>Time Period(s)</i> | <i>Comparisons</i> |
|---|---|------------------------------|---|
| Total program expenditures | All Medicaid eligibles in reporting period | Quarterly Annual | MCO/FFS Each MCO Type of service |
| Expenditures in first quarter of enrollment | All new Medicaid enrollees in a given quarter | Quarterly | MCO/FFS Each MCO |
| Total expenditures per person-months | All Medicaid eligibles in reporting period, adjusted for months of Medicaid enrollment during reporting period ¹ | Quarterly Annual | MCO/FFS Each MCO Type of service Eligibility group Age group Gender Race/ethnicity Retro eligibility group |

¹ All measures in these tables may be adjusted for length of Medicaid enrollment by weighting the denominator to reflect each individual's length of Medicaid enrollment. This is done by summing the number of months each person was enrolled in Medicaid during the study period (ranging from 1 to 12 months for an annual computation) and dividing that sum by the number of months in the study period (e.g., 12 months for an annual measure).

2. ENROLLMENT

| <i>Measure</i> | <i>Population</i> | <i>Time Period(s)</i> | <i>Comparisons</i> |
|--|---|-----------------------|---|
| Total Enrollment | All Medicaid eligibles in reporting period | Monthly Annual | MCO/FFS Each MCO Eligibility group Age group Gender Race/Ethnicity |
| Enrollment Growth from Previous Time Period = $(\text{Enr}_{\text{Month 1}})/(\text{Enr}_{\text{Month 2}}) * 100$ | All Medicaid eligibles in reporting period | Monthly Annual | MCO/FFS Each MCO |
| Mean Length of Continuous Enrollment (In Months) | All Medicaid eligibles enrolled in managed care | Annual | All MCOs Each MCO By Eligibility Category |
| Percent Disenrollment | All Medicaid eligibles enrolled in managed care | Monthly Annual | All MCOs Each MCO By length of enrollment in Medicaid: < 3 months 3-5 months 6-8 months 9-11 months 12+ months By length of enrollment in MCO: < month > 1 year By reason: 1-Ineligible for Medicaid 2-Enrolled in another plan 3-Other |

3. ACCESS AND UTILIZATION: OUTPATIENT SERVICES

| <i>Measure</i> | <i>Population</i> | <i>Time Period(s)</i> | <i>Comparisons</i> |
|--|---|-----------------------|---|
| Percent receiving at least one primary care visit (Physician and other PCP) | All Medicaid eligibles in reporting period | Semi-Annual Annual | MCO/FFS Each MCO Eligibility group Age group Gender Race/Ethnicity Georegion By source of care: Hospital outpatient clinic Physician office Other |
| Percent eligibles receiving any services | All Medicaid eligibles in reporting period | Annual | MCO/FFS Each MCO |
| Mean number outpatient visits per unique eligible AND/OR Per person months | All Medicaid eligibles in reporting period Total person months in reporting period | Semi-Annual Annual | MCO/FFS Each MCO Eligibility group Age group Gender Race/Ethnicity Georegion |
| Ratio of PCPs to eligibles | All Medicaid eligibles in reporting period | Quarterly | Total MCO Each MCO Georegion |

3. ACCESS AND UTILIZATION: EPSDT/WELL-CHILD UTILIZATION

| <i>Measure</i> | <i>Population</i> | <i>Time Period(s)</i> | <i>Comparisons</i> |
|---|---|-----------------------|--|
| Percent of children receiving at least one EPSDT screen | All Medicaid eligible children and adolescents < 21 years of age in reporting period | Annual | MCO/FFS Each MCO Eligibility group Age groups < 21 Gender Race/Ethnicity Georegion |
| Number of primary care, well-child visits per 1000 children AND/OR per 1000 child person months | Total Medicaid eligible children and adolescents < 21 years of age in reporting period Total child person months in reporting period | Annual | MCO/FFS Each MCO Eligibility group Age groups < 21 Gender Race/Ethnicity Georegion |
| Number of EPSDT screens per 1000 children: Initial/Periodic Hearing Vision Developmental Total | All Medicaid eligible children and adolescents < 21 years of age in reporting period | Annual | MCO/FFS Each MCO Eligibility group Age groups < 21 Gender Race/Ethnicity Georegion |
| Number of EPSDT referrals per 1000 children | All Medicaid eligible children and adolescents < 21 years of age in reporting period | Annual | MCO/FFS Each MCO Eligibility group Age groups < 21 Gender Race/Ethnicity Georegion |
| Number of EPSDT dental visits per 1000 children AND/OR per child person month | All Medicaid eligible children and adolescents < 21 years of age in reporting period Total child person months in reporting period | Annual | MCO/FFS Each MCO Eligibility group Age groups < 21 Gender Race/Ethnicity Georegion |

3. ACCESS AND UTILIZATION: HOSPITAL UTILIZATION

| <i>Measure</i> | <i>Population</i> | <i>Time Period(s)</i> | <i>Comparisons</i> |
|---|---|-----------------------|---|
| Percent with at least one inpatient stay | All Medicaid eligibles in reporting period | Annual | MCO/FFS Each MCO Whether eligible received any outpatient services in reporting period Eligibility group Age group Gender Race/Ethnicity Georegion |
| Number of hospital discharges per 1000 eligibles AND/OR per 1000 person months | All Medicaid eligibles in reporting period Total person months in reporting period | Quarterly Annual | MCO/FFS Each MCO Eligibility group Age group Gender Race/Ethnicity Georegion |
| Percent distribution of inpatient admissions by DRG/MDC, including mental health and substance abuse categories | All Medicaid inpatient hospital admissions in reporting period | Quarterly Annual | MCO/FFS Each MCO |
| Five most prevalent primary diagnoses for inpatient admissions | All Medicaid inpatient hospital admissions in reporting period (Medical, surgical, maternity, mental health and substance abuse categories) | Quarterly Annual | MCO/FFS Each MCO Eligibility group Age group Gender Race/Ethnicity Georegion |
| Percent distribution of inpatient lengths of stay: 1-5 days 6-10 days 11-15 days > 15 days | All Medicaid inpatient hospital admissions in reporting period (Medical, surgical, maternity, mental health and substance abuse categories) | Quarterly Annual | MCO/FFS Each MCO Eligibility group Age group Gender Race/Ethnicity Georegion |

3. ACCESS AND UTILIZATION: HOSPITAL UTILIZATION (CONT'D)

| <i>Measure</i> | <i>Population</i> | <i>Time Period(s)</i> | <i>Comparisons</i> |
|---|---|-----------------------|--|
| Number of emergency room visits per 1000 eligibles AND/OR per person months | All Medicaid eligibles in reporting period Total person months in reporting period | Quarterly Annual | MCO/FFS Each MCO Eligibility group Age group Gender Race/Ethnicity Georegion |
| Five most prevalent primary diagnoses for ER visits | All Medicaid ER visits in reporting period | Quarterly Annual | MCO/FFS Each MCO Eligibility group Age group Gender Race/Ethnicity Georegion |

3. ACCESS AND UTILIZATION: OTHER UTILIZATION

| <i>Measure</i> | <i>Population</i> | <i>Time Period(s)</i> | <i>Comparisons</i> |
|--|---|-----------------------|--|
| Number of filled prescriptions per 1000 unique eligibles AND/OR per 1000 person months | All Medicaid eligibles in reporting period Total person months in reporting period | Annual | MCO/FFS Each MCO Therapeutic class Eligibility group Age group Gender Race/Ethnicity |
| Number of dental visits per 1000 eligibles AND/OR 1000 person months | All Medicaid eligibles in reporting period Total person months in reporting period | Annual | MCO/FFS Each MCO Eligibility group Age group Gender Race/Ethnicity |
| Number of home health visits per 1000 eligibles AND/OR 1000 person months | All Medicaid eligibles in reporting period Total person months in a reporting period | Annual | MCO/FFS Each MCO Per Level of Care Eligibility group Age group Gender Race/Ethnicity |
| Durable Medical Equipment services (or units) per 1000 eligibles | All Medicaid eligibles in reporting period | Annual | MCO/FFS Each MCO Eligibility group Age group Gender Race/Ethnicity |
| Transportation services per 1000 | All Medicaid eligibles in reporting period | Annual | |

4. HEALTH STATUS AND OUTCOMES: INFANTS

| <i>Measure</i> | <i>Population</i> | <i>Time Period(s)</i> | <i>Comparisons</i> |
|--|---|-----------------------|---|
| Percent problem newborns: low birthweight very low birthweight | Total unique infants born to Medicaid eligibles occurring in reporting period | Annual | MCO/FFS Each MCO Race/Ethnicity Eligibility group Mothers' age |
| Number of NICU admissions per 100,000 children under 1 year | All Medicaid eligible children under one year of age in reporting period | Annual | MCO/FFS Each MCO Race/Ethnicity Eligibility group Mothers' age |
| Top 5 diagnoses (by LOS, Net Payments) for NICU admissions | All Medicaid admissions (or inpatient transfers) to NICU | Annual | MCO/FFS Each MCO Race/Ethnicity Eligibility group Mothers' age |
| Number of infants with congenital syphilis, per 100,000 children under 1 year of age | All Medicaid eligible children under one year of age in reporting period | Annual | MCO/FFS Each MCO Race/Ethnicity Eligibility group Mothers' age Georegion |
| Number of infants born with or who developed AIDS-related conditions, per 100,000 children under 1 year of age | All Medicaid eligible children under one year of age in reporting period | Annual | MCO/FFS Each MCO Race/Ethnicity Eligibility group Mothers' age Georegion |

4. HEALTH STATUS AND OUTCOMES: CHILDREN

| <i>Measure</i> | <i>Population</i> | <i>Time Period(s)</i> | <i>Comparisons</i> |
|--|---|-----------------------|---|
| Percent of children immunized in early childhood (non-continuously enrolled) | Children who have turned two in the reporting year who are not continuously enrolled ² | Annual | MCO/FFS Each MCO Eligibility group Race/Ethnicity Georegion |
| Percent of children immunized in early childhood (continuously enrolled) | Children who have turned two in the reporting year who are continuously enrolled or had only one break in enrollment of less than 45 days | Annual | MCO/FFS MCO Eligibility group Race/Ethnicity Georegion |
| Number of outpatient visits for a primary diagnosis of otitis media per 1000 eligible children under six | Eligible children ages 0-5 years | Annual | MCO/FFS Each MCO Eligibility group Race/Ethnicity Ages 0-1 2-3 4-5 Georegion |

² Again, this utilization measure may be adjusted to reflect differences in length of enrollment among the population of interest (here, children turning two in the reporting year).

**4. HEALTH STATUS AND OUTCOMES: REPORTED CASES OF VACCINE
PREVENTABLE DISEASES**

| <i>Measure</i> | <i>Population</i> | <i>Time Period(s)</i> | <i>Comparisons</i> |
|--|--|-----------------------|---------------------|
| Number of children with inpatient or outpatient diagnosis of Diphtheria, per 100,000 children under age five | All Medicaid eligible children under five years of age in reporting period | Annual | MCO/FFS Each MCO |
| Number of children with inpatient or outpatient diagnosis of Rubella (German Measles), per 100,000 children under age five | All Medicaid eligible children under five years of age in reporting period | Annual | MCO/FFS Each MCO |
| ...Rubeola (Measles) | All Medicaid eligible children under five years of age in reporting period | Annual | MCO/FFS Each MCO |
| ...Pertussis | All Medicaid eligible children under five years of age in reporting period | Annual | MCO/FFS Each MCO |
| ...Polio | All Medicaid eligible children under five years of age in reporting period | Annual | MCO/FFS Each MCO |
| ...Tetanus | All Medicaid eligible children under five years of age in reporting period | Annual | MCO/FFS Each MCO |
| ...Mumps | All Medicaid eligible children under five years of age in reporting period | Annual | MCO/FFS Each MCO |

4. HEALTH STATUS AND OUTCOMES: MATERNITY CARE

| <i>Measure</i> | <i>Population</i> | <i>Time Period(s)</i> | <i>Comparisons</i> |
|---|--|-----------------------|---|
| Percent of teenagers with births in reporting year | All Medicaid eligible women under age 20 | Annual | MCO/FFS Each MCO Eligibility group Mothers' age: < 12 13-14 15-16 17-19 Race/Ethnicity Georegion |
| Number of women with at least one prenatal visit who were hospitalized for: Diabetes mellitus Hypertension Eclampsia Early threatened labor Infection of the genitourinary tract Anemia RH isoimmunization -per 100,000 women | All Medicaid eligible women with a birth and 1 or > prenatal visits in reporting year | Annual | MCO/FFS Each MCO Eligibility group Race/Ethnicity Mothers' age |
| Percent of births that were cesarean sections, where the mother had a primary diagnosis of any listed above | Total births to Medicaid eligibles which occurred in the reporting period | Annual | MCO/FFS Each MCO Eligibility group Race/Ethnicity Mothers' age |
| Percent of births that were cesarean section | Total births to Medicaid eligibles which occurred in the reporting period | Annual | MCO/FFS Each MCO Eligibility group Race/Ethnicity Mothers' age |
| Percent of pregnant women who were treated for substance abuse | All Medicaid eligible women who had a birth or prenatal visit in the reporting year or in the preceding year | Annual | MCO/FFS Each MCO Eligibility group Race/Ethnicity Mothers' age |

4. HEALTH STATUS AND OUTCOMES: MATERNITY CARE (CONT'D)

| <i>Measure</i> | <i>Population</i> | <i>Time Period(s)</i> | <i>Comparisons</i> |
|--|--|-----------------------|--|
| Percent of teenagers with at least one prenatal outpatient visit | Medicaid eligible women under age 20 who had a birth in the reporting year and who were enrolled in the preceding 44 weeks | Annual | MCO/FFS Each MCO Eligibility group Race/Ethnicity Mothers' age |
| Number of hospital admissions for pregnancy complications, per 100,000 women | All Medicaid eligible women who had a birth in the reporting year | Annual | MCO/FFS Each MCO Eligibility group Race/Ethnicity Mothers' age |
| Number of maternal deaths per 100,000 women | All Medicaid eligible women who had a birth in the reporting year | Annual | MCO/FFS MCO |

4. HEALTH STATUS AND OUTCOMES: WOMEN'S HEALTH

| <i>Measure</i> | <i>Population</i> | <i>Time Period(s)</i> | <i>Comparisons</i> |
|--|--|------------------------------|---|
| Number of hospital inpatient admissions for treatment of cervical cancer, per 1000 women | All Medicaid eligible women in the reporting year | Annual | MCO/FFS Each MCO Age group Race/Ethnicity Georegion |
| Number of hospital admissions for treatment of breast cancer, per 1000 women | All Medicaid eligible women in the reporting year | Annual | MCO/FFS Each MCO Age group Race/Ethnicity Georegion |
| Number of family planning visits, per 1000 women ages 10 to 45 | All Medicaid eligible women ages 10-45 in the reporting year | Annual | MCO/FFS Each MCO Age group Race/Ethnicity Georegion |
| Number of inpatient admissions for a primary or secondary diagnosis of: syphilis, gonorrhea and HIV - each per 100,000 women | All Medicaid eligible women in the reporting year | Annual | MCO/FFS Each MCO Age group Race/Ethnicity Georegion |
| Number of breast cancer screens per 1000 women 35+ | All Medicaid eligible women ages 35+ in the reporting year | Annual | MCO/FFS Each MCO Age group Race/Ethnicity Georegion |
| Number of cervical cancer screens per 1000 women 15+ | All Medicaid eligible women ages 15+ in the reporting year | Annual | MCO/FFS Each MCO Age group Race/Ethnicity Georegion |

4. HEALTH STATUS AND OUTCOMES: MENTAL HEALTH

| <i>Measure</i> | <i>Population</i> | <i>Time Period(s)</i> | <i>Comparisons</i> |
|--|--|-----------------------|--|
| Number of inpatient admissions per 1000 eligibles, for MDC 19 (DRGs 424-432) | All Medicaid eligibles in reporting year | Annual | MCO/FFS Each MCO Eligibility group Age group Gender |
| Number of inpatient admissions per 1000 eligibles for MDC 20 (DRGs 433-437) | All Medicaid eligibles in reporting year | Annual | Race/Ethnicity Georegion |
| Percent of eligibles with an inpatient admission for MDC 19; 20 who had an outpatient follow-up visit less than 30 days post-discharge | Medicaid eligibles who had at least one inpatient admission for MDC 19; 20 in reporting year | Annual | MCO/FFS Each MCO Eligibility group Age group Gender Race/Ethnicity Georegion |
| Number of outpatient mental health visits per 1000 eligibles, by selected mental health diagnosis groups | All Medicaid eligibles in reporting year | Annual | MCO/FFS Each MCO Eligibility group Age group Gender Race/Ethnicity Georegion |
| Percent distribution of outpatient mental health visits by place of service | All outpatient mental health visits in reporting year | Annual | MCO/FFS Each MCO Eligibility group Age group Gender Race/Ethnicity Georegion |
| Percent outpatient physician visits for mental health diagnoses conducted by PCP; percent by psychiatrists; by other mental health professionals | Total outpatient mental health visits in a year | Annual | Each MCO |

**4. HEALTH STATUS AND OUTCOMES: ADMISSIONS FOR AMBULATORY
CARE SENSITIVE CHRONIC CONDITIONS³**

| <i>Measure</i> | <i>Population</i> | <i>Time Period(s)</i> | <i>Comparisons</i> |
|--|--|-----------------------|---------------------|
| Number of inpatient admissions per 1000 eligibles, for any diagnosis of angina | All Medicaid eligibles in reporting year | Annual | MCO/FFS Each MCO |
| ...asthma | All Medicaid eligibles in reporting year | Annual | MCO/FFS Each MCO |
| ...grand mal seizure | All Medicaid eligibles in reporting year | Annual | MCO/FFS Each MCO |
| ...COPD | All Medicaid eligibles in reporting year | Annual | MCO/FFS Each MCO |
| ...CHF | All Medicaid eligibles in reporting year | Annual | MCO/FFS Each MCO |
| ...convulsions | All Medicaid eligibles in reporting year | Annual | MCO/FFS Each MCO |
| ...hypertension | All Medicaid eligibles in reporting year | Annual | MCO/FFS Each MCO |
| ...pulmonary tuberculosis | All Medicaid eligibles in reporting year | Annual | MCO/FFS Each MCO |
| ...diabetic ketoacidosis | All Medicaid eligibles in reporting year | Annual | MCO/FFS Each MCO |

³ Institute of Medicine benchmarks are available for these measures.

**4. HEALTH STATUS AND OUTCOMES: ADMISSIONS FOR AMBULATORY
CARE SENSITIVE ACUTE CONDITIONS
(RAPID ONSET)⁴**

| <i>Measure</i> | <i>Population</i> | <i>Time Period(s)</i> | <i>Comparisons</i> |
|---|--|-----------------------|---------------------|
| Number of hospitalizations per 100 eligibles, for bacterial pneumonia | All Medicaid eligibles in reporting period | Annual | MCO/FFS Each MCO |
| ...cellulitis | All Medicaid eligibles in reporting period | Annual | MCO/FFS Each MCO |
| ...dehydration as primary diagnosis | All Medicaid eligibles in reporting period | Annual | MCO/FFS Each MCO |
| ...gastroenteritis | All Medicaid eligibles in reporting period | Annual | MCO/FFS Each MCO |
| ...kidney/urinary tract infection | All Medicaid eligibles in reporting period | Annual | MCO/FFS Each MCO |
| ...severe ear, nose, throat infections | All Medicaid eligibles in reporting period | Annual | MCO/FFS Each MCO |
| ...skin graft with cellulitis | All Medicaid eligibles in reporting period | Annual | MCO/FFS Each MCO |
| ...hypoglycemia | All Medicaid eligibles in reporting period | Annual | MCO/FFS Each MCO |
| ...pelvic inflammatory disease | All Medicaid eligibles in reporting period | Annual | MCO/FFS Each MCO |

⁴ Institute of Medicine benchmarks are available for these measures.